



OAQ Process Information Application
PI-04: HOT OR COLD MIX ASPHALT PLANTS
 State Form 52544 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
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www.IN.gov/idem/air/permits/index.html

NOTES:

- The purpose of this form is to obtain detailed information about the hot or cold asphalt production process. Complete one form for each process unit (or group of identical process units). This is required form.
- Detailed **instructions** for this form are available online at www.IN.gov/idem/air/permits/apps/instructions/pi04instructions.html.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

PART A: Hot or Cold Mix Asphalt Plant Process Information

Part A identifies the asphalt production process. If there are multiple units that are identical in nature, capacity, use, and installation date, you may use one form to summarize the data for the identical process units.

1. Unit ID:	2. Installation Date: <i>(actual or anticipated)</i>
3. How many (identical) units are identified in this form?	<input type="checkbox"/> One <input type="checkbox"/> More than one <i>(specify number) : _____</i>
4. Type of Asphalt Processing Unit: <i>(check all that apply)</i>	<input type="checkbox"/> Batch <input type="checkbox"/> Drum <i>(specify):</i> <input type="checkbox"/> Counter-flow <input type="checkbox"/> Parallel <input type="checkbox"/> Other <i>(specify):</i>
5. Plant Capacity:	tons/hour
6. Heat Input Rate of Burner:	MMBtu/hour
7. Fuel Used:	<input type="checkbox"/> Natural Gas Only <input type="checkbox"/> Other – <i>Attach completed PI-02F form.</i>

PART B: Raw Materials

Part B identifies all raw materials used in this process.

[illegible]

PART C: Emulsified (Cutback) Asphalt Information

Part C identifies the use of emulsified (*cutback*) asphalt.

10. Will emulsified (*cutback*) asphalt be used?

☐ Yes: *Complete this section.* ☐ No: *Proceed to the next section.*

11. Emulsifying Agent Components: <i>Attach MSDS for each.</i>	12. Weight % VOC	13. Weight % HAP	14. Maximum Usage:	15. Duration of Addition: <i>BATCH PLANTS ONLY</i>
			lb/hr	seconds
			lb/hr	seconds
			lb/hr	seconds
			lb/hr	seconds
			lb/hr	seconds
			lb/hr	seconds

PART D: Emission Factors

Part D identifies all emission factors used to calculate air emissions from this process.

16. Air Pollutant	17. Emission Factor		18. Source of Emission Factor	
	<i>value</i>	<i>units</i>	<i>(if not using AP-42, include calculations)</i>	
Carbon Monoxide (CO)			<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
Lead (Pb)			<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
Nitrogen Oxides (NO _x)			<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
Particulate Matter (PM)			<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
Particulate Matter less than 10µm (PM ₁₀)			<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
Particulate Matter less than 2.5µm (PM _{2.5})			<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
Sulfur Dioxide (SO ₂)			<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
Volatile Organic Compounds (VOC)			<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
Hazardous Air Pollutant (HAP) (<i>specify</i>):			<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
Other (<i>specify</i>):			<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
Other (<i>specify</i>):			<input type="checkbox"/> AP-42	<input type="checkbox"/> Other

PART E: Control Technology

Part E identifies the methods used to control emissions from this process.

19. Add-On Control Technology: *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

☐ None

☐ Baghouse / Fabric Filter – *Attach CE-02.*

☐ Cyclone – *Attach CE-03.*

☐ Other (*specify*):

– *Attach CE-10.*

20. Control Techniques: *Identify all control techniques used for this process.*

21. Process Limitations / Additional Information: *Identify any acceptable process limitations. Attach additional information if necessary.*

PART F: Federal Rule Applicability

Part F identifies any federal rules that apply to the process.

22. Is a New Source Performance Standard (NSPS) applicable to this process unit? *Attach a completed FED-01 for each rule that applies.*

☐ Yes ☐ No

☐ 40 CFR Part 60, Subpart I

Hot Mix Asphalt Facilities

☐ 40 CFR Part 60, Subpart _____ (*Specify*):

23. Is a National Emission Standard for Hazardous Air Pollutants (NESHAP) applicable to this process unit? *Attach a completed FED-01 for each rule that applies.*

☐ Yes ☐ No

☐ 40 CFR Part 61, Subpart _____ (*Specify*):

☐ 40 CFR Part 63, Subpart _____ (*Specify*):

24. Non-Applicability Determination: Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.